

In the Claims

Please amend claims 1, 7, 13, 19, 26, 33, 39, 43, 44, 51, and 52 as set forth below:

1. (Amended) A display apparatus comprising:
- (a) a light source for forming a beam of light;
 - (b) a pre-polarizer for polarizing said beam of light to provide a polarized beam of light;
 - (c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
 - (d) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
 - (e) a compensator, located between said wire grid polarization beamsplitter and said reflective liquid crystal device, for conditioning oblique and skew rays of said modulated beam to provide a compensated modulated beam;
 - (f) wherein said wire grid polarization beamsplitter reflects said compensated modulated beam;
 - (g) a polarization analyzer which removes residual light of the opposite polarization; and
 - (h) image-forming optics for forming an image from said compensated modulated beam.

7. (Amended) A modulation optical system for providing high contrast modulation of an incident light beam, comprising:

- (a) a pre-polarizer for pre-polarizing said beam of light to provide a polarized beam of light;
- (b) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first

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polarization, and for reflecting said polarized beam of light having a second polarization;

- (c) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
- (d) a compensator, located between said wire grid polarization beamsplitter and said reflective liquid crystal device, for conditioning oblique and skew rays of said modulated beam to provide a compensated modulated beam;
- (e) a polarization analyzer which removes residual light of the opposite polarization.

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13. (Amended) A modulation optical system for providing high contrast modulation of an incident light beam, comprising:

- (a) a wire grid pre-polarizer for pre-polarizing said beam of light;
- (b) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
- (c) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
- (d) a compensator, located between said wire grid polarization beamsplitter and said reflective liquid crystal device, for conditioning oblique and skew rays of said modulated beam to provide a compensated modulated beam; and
- (e) a wire grid polarization analyzer which removes residual light of the opposite polarization.

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19. (Amended) A modulation optical system for providing high contrast modulation of an incident light beam, comprising:

- (a) a wire grid pre-polarizer for pre-polarizing said beam of light;
- (b) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
- (c) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
- (d) a wire grid polarization analyzer which removes unmodulated first polarization light; and
- (e) a compensator which conditions oblique and skew rays relative to said wire-grid polarization analyzer and said wire grid pre-polarizer.

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26. (Amended) A modulation optical system for providing high contrast modulation of an incident light beam, comprising:

- (a) a wire grid pre-polarizer for pre-polarizing said beam of light;
- (b) a transmissive liquid crystal device for selectively modulating said polarized beam of light having to encode image data thereon in order to form a modulated beam;
- (c) a wire grid polarization analyzer which transmits said modulated beam and blocks light of the opposite polarization; and
- (d) a compensator located between said wire grid pre-polarizer and said wire grid polarization analyzer which conditions oblique and skew rays.

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33. (Amended) A display apparatus comprising:

- (a) a light source for forming a beam of light;

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- (b) a wire grid pre-polarizer for polarizing said beam of light to provide a polarized beam of light;
- (c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
- (d) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
- (e) a compensator, located between said wire grid polarization beamsplitter and said reflective liquid crystal device, for conditioning oblique and skew rays of said modulated beam to provide a compensated modulated beam;
- (f) a wire grid polarization analyzer which removes residual light of the opposite polarization; and
- (g) image-forming optics for forming an image from said compensated modulated beam.

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39. (Amended) A display apparatus comprising:
- (a) a light source for forming a beam of light;
- (b) a wire grid pre-polarizer for polarizing said beam of light to provide a polarized beam of light;
- (c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
- (d) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
- (e) a first compensator located between said wire grid polarization beamsplitter and said reflective liquid crystal device, for conditioning

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oblique and skew rays of said modulated beam to provide a compensated modulated beam;

- (f) a wire grid polarization analyzer which removes residual light of the opposite polarization;
- (g) a second compensator for conditioning oblique and skew rays of said wire grid polarization beamsplitter relative to said wire grid polarization analyzer and said wire grid pre-polarizer; and
- (h) image-forming optics for forming an image from said compensated modulated beam.

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43. (Amended) A method for projecting an image generated from image data, the method comprising:

- (a) providing a polarized light beam;
- (b) directing said polarized light beam to a wire grid polarization beamsplitter, said beamsplitter transmitting incident light having a first polarization as a transmitted beam, and reflecting incident light having a second polarization as a reflected beam;
- (c) modulating said transmitted beam from said wire grid polarization beamsplitter to encode image data at a reflective liquid crystal device and to provide a modulated beam;
- (d) disposing a compensator in the path of said modulated beam to remove leakage light from said modulated beam; and
- (e) projecting said modulated beam to form said image.

44. (Amended) A display apparatus comprising:

- (a) a light source for forming a beam of light;
- (b) a wire grid pre-polarizer for polarizing said beam of light to provide a polarized beam of light;
- (c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;

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(d) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;

(e) a wire grid polarization analyzer which removes residual light of the opposite polarization;

(f) a compensator for conditioning oblique and skew rays from said wire grid pre-polarizer and said wire grid polarization analyzer; and

(g) image-forming optics for forming an image from said modulated beam.

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51. (Amended) A display apparatus comprising:

(a) a light source for forming a beam of light;

(b) a pre-polarizer for polarizing said beam of light to provide a polarized beam of light;

(c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;

(d) a reflective liquid crystal device for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;

(e) a wire grid polarization analyzer which removes residual light of the opposite polarization;

(f) image-forming optics for forming an image from said modulated beam; and

(g) a compensator, located between said wire grid polarization beamsplitter and said reflective liquid crystal device for conditioning oblique and skew rays of said modulated beam.

52. (Amended) A display apparatus comprising:

(a) a light source for forming a beam of light;

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- (b) a pre-polarizer for polarizing said beam of light to provide a polarized beam of light;
 - (c) a wire grid polarization beamsplitter for receiving said polarized beam of light, for transmitting said polarized beam of light having a first polarization, and for reflecting said polarized beam of light having a second polarization;
 - (d) a reflective spatial light modulator for selectively modulating said polarized beam of light having a first polarization to encode image data thereon in order to form a modulated beam, and for reflecting said modulated beam back to said wire grid polarization beamsplitter;
 - (e) a compensator, located between said wire grid polarization beamsplitter and said reflective spatial light modulator, for conditioning oblique and skew rays of said modulated beam to provide a compensated modulated beam;
 - (f) wherein said wire grid polarization beamsplitter reflects said compensated modulated beam;
 - (g) a polarization analyzer which removes residual light of the opposite polarization; and
 - (h) image-forming optics for forming an image from said compensated modulated beam.

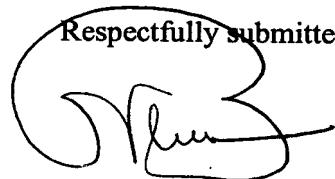
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Please add new claims 53 and 54 as set forth below:

53. (New) The system of claim 26 wherein said compensator is located between said transmissive liquid crystal device and said wire grid polarization analyzer.

54. (New) The system of claim 26 wherein said compensator is located between said wire grid pre-polarizer and said transmissive liquid crystal device.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page(s) is captioned "Version With Markings To Show Changes Made."

Respectfully submitted,



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